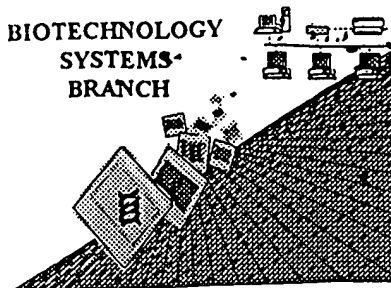# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/966781_

Source: _OIPE_

Date Processed by STIC: _11/06/01_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

<u>Checker Version 3.0 can be down loaded from the USPTO website at the following address:</u>
http://www.uspto.gov/web/offices/pac/checker

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/966798

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY P

1 _____ Wrapped Nucleics Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____ Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino Numbering — The numbering under each 5ᵗʰ amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 _____ Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 _____ Variable Length. — Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 _____ Skipped Sequences (OLD RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 _____ Skipped Sequences (NEW RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence
<210> sequence id number
<400> sequence id number
000

9 _____ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents

10 _____ Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown is Artificial Sequence

11 _____ Use of <220> — Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 _____ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n — n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH – Biotechnology Systems Branch – 08/21/2001

OIPE

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RAW SEQUENCE LISTING            DATE: 11/06/2001
PATENT APPLICATION:  US/09/966,781    TIME: 09:39:01

       Input Set : A:\PTO.MBH.txt
       Output Set: N:\CRF3\11062001\I966781.raw
```

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     3 <110> APPLICANT: SOULARD, PATRICIA
     5 <120> TITLE OF INVENTION: POLYPEPTIDES EXHIBITING PDE7 ACTIVITY AND THEIR USE FOR
     6       SELECTING COMPOUNDS WHICH INHIBIT PDE 7 ENZYME ACTIVITY
     9 <130> FILE REFERENCE: A0000281US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/966,781
C--> 12 <141> CURRENT FILING DATE: 2001-09-28
    14 <160> NUMBER OF SEQ ID NOS: 35
    16 <170> SOFTWARE: PatentIn Ver. 2.1
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Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

Errored Fields 221, 222 and 223 are
required when "n" unknown are
present in the sequence strings.

Failure to enumerate n's

```
   757 <210> SEQ ID NO: 35
   758 <211> LENGTH: 2939
   759 <212> TYPE: DNA
   760 <213> ORGANISM: Mus sp.
   762 <400> SEQUENCE: 35
   763 gaattcctcc gttacttttt cactccactg cttgcttaat tcccagttcc gacatgggtt 60
   764 acaaatatca gcacatttca aggccatcta gcaaacaaaa tattaaaagg gtgttaagga 120
   765 agaaaagatc tcattgtacc aagtttaaat cgactccagc aatggggaag agcactgaag 180
   766 agagagagga gcccctgaca tgttgtgttc agtgtgcatg ggatccagaa ccaagtaaaa 240
   767 ttaaaagcca gcaaagaaga ggaaaacact gtgcaagaaa aatcactgtg acattaactt 300
   768 catgctgcta ctgatctacc aagtatcggt gcagaaggct cacaggagc taactctgta 360
   769 gaattaccct tgacaatcca aaggagacac aatgactgac cagtcagaaa atacaaacaa 420
   770 atccagagac accatatact ccttgcccct cttttcatga ggaaactcat cagatagtca 480
   771 ctgttgactg gacggcattc tcagaamcct gagtaggaaa agtcccaaag ccacatgcct 540
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   774 aacaatcttt gcaagttgca gaactttacc tgtagaacca aatgcctatg tctgccatcg 720
   775 tcaaggtgta agtcacccttt atccaagtga gatctaaaca atgacaggta ctcgttctgg 780
   776 cgactgatat ccgtggctaa tatcaaagca cctatctgag cctccatctc ttgcctggaa 840
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   779 aaagtattat gaagagtgca tttaaaaata ttaaaataac taaagtaaaa ctaagagttt 1020
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   781 tcaaattatt tgcttaaaag gagggaacaa ccmacctaat accattatgc tgtttgagaa 1140
   782 aattcttaag aatttttctga gatattcttg tatgtataac aaacaacctt tgtcytatttt 1200
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   785 agtttgatca aggggccaga gatgggttca gcaatttatg gtataggctc tttttctaga 1380
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   789 aatttatctg gaggaaaaat gtcacatgtt aatacagaca gcacatatac tgcatctttt 1620
   790 taaaaacggc ctatatgaga tttaaaaaaa aaaaaccctc acagagtcac aataagatta 1680
E--> 791 tcttggtatt aatggtaaca agaagaccnt tgagatggct cacaggagtc cttgcctcnt 1740
E--> 792 gagcctgatg gnctagaggt catccttggg accccagagg aagcagacca aaggwctgct 1800
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RAW SEQUENCE LISTING   DATE: 11/06/2001
PATENT APPLICATION: **US/09/966,781** TIME: 09:39:01

Input Set : **A:\PTO.MBH.txt**
Output Set: **N:\CRF3\11062001\I966781.raw**

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E--> 795 aatatttaca cacaaagttt aaaatccang ccggcaaggt ttnaaatgtt tttgccaaca 1980
E--> 796 ccatcatatt ggacttattt aactttagtg tttcttctna tgccaccaaa atgnccttag 2040
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E--> 798 acagctccaa agcgtacatn agggcacagg nccttattat ccttgtttta ctggctttgc 2160
E--> 799 atatgttgtg gtctgaatat atcttgttat gcactgtcnc tttctgtgta atctttcagg 2220
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     801 gtgactttc acagtactca aaaaggggta tctttcataa aaataaatag ccaatgtaaa 2340
     802 agcgacaact acgtagcagg cttaagaatt tgggtataac ttcctttgga tttccagtgt 2400
     803 atctgtgttt ggctcacatt tatgtatgtg tgccatgtgt agatatctgt gagctatcat 2460
E--> 804 gtggggagct gggaactgaa cccagatctt ctcctagaac agcaaaaatt ctaaactgnt 2520
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E--> 807 ccaggctggc ctngantcag aaatctgcct gcttctgcct cccaagagct gggattaaag 2700
     808 gcgtgccacg cccagctaat cttgattttt aaaaagatac gtttagttta atgaaacggg 2760
     809 aagctatgga gcagctgaat aacatatttt tatcttaatt agtaacttta tttccatagg 2820
     810 caatgcattt gttttaagcc accttacctg ctttccaatg gcaagtgtga gaacaaacca 2880
     811 gattctctta acaagcccac tgcagatctc cagtggtgtt ctccaggact gaggaattc  2939
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/966,781**

DATE: 11/06/2001
TIME: 09:39:02

Input Set : **A:\PTO.MBH.txt**
Output Set: **N:\CRF3\11062001\I966781.raw**

L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:786 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:35
M:340 Repeated in SeqNo=35